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Nata

Client:

LumCAT: 2-2748-L

Luminaire: 92.70.412.00

Report No: 2024823-B010

Ballast type: AC

Test No: 2024823-C010

Voltage(V): 35.240

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.576

Lamp flux(lm): 3311.0

Power (W): 20.350

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3109.72, Efficiency(%): 93.92% , Luminous Efficacy(lm/W): 152.81

Central intensity(cd): 14646.990, Maximum intensity(cd): 14646.990

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.2

[C90/270]Total=19.2

Field angle(10%Imax): [C0/180]Total=50.0

[C90/270]Total=50.0

Maximum s/h(1/2): C0_180=0.33 C90_270=0.33

Maximum s/h(1/4): C0_180=0.36 C90_270=0.36

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.92%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.113%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/23
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	14646.987	0.000	0	0.00%	0.00%
1.0	14554.359	13.972	13.972	0.42%	0.45%
2.0	14229.812	41.314	55.286	1.25%	1.78%
3.0	13357.991	65.981	121.267	1.99%	3.90%
4.0	12905.296	87.912	209.179	2.66%	6.73%
5.0	12183.284	107.930	317.108	3.26%	10.20%
6.0	10755.766	120.551	437.659	3.64%	14.07%
7.0	10048.932	129.134	566.794	3.90%	18.23%
8.0	9042.826	136.636	703.43	4.13%	22.62%
9.0	7873.981	137.102	840.531	4.14%	27.03%
10.0	6939.268	134.054	974.586	4.05%	31.34%
11.0	6161.744	130.906	1105.492	3.95%	35.55%
12.0	5323.149	125.546	1231.038	3.79%	39.59%
13.0	4706.302	119.024	1350.062	3.59%	43.41%
14.0	4172.753	113.651	1463.713	3.43%	47.07%
15.0	3702.154	108.110	1571.824	3.27%	50.55%
16.0	3307.686	102.714	1674.537	3.10%	53.85%
17.0	3020.123	98.541	1773.078	2.98%	57.02%
18.0	2795.996	95.895	1868.974	2.90%	60.10%
19.0	2472.415	91.660	1960.633	2.77%	63.05%
20.0	2296.429	87.283	2047.916	2.64%	65.86%
21.0	2156.298	85.501	2133.418	2.58%	68.60%
22.0	1920.134	81.918	2215.335	2.47%	71.24%
23.0	1767.743	77.382	2292.717	2.34%	73.73%
24.0	1626.507	74.210	2366.927	2.24%	76.11%
25.0	1457.519	70.124	2437.051	2.12%	78.37%
26.0	1366.415	66.659	2503.711	2.01%	80.51%
27.0	1239.825	63.762	2567.473	1.93%	82.56%
28.0	1099.621	59.230	2626.703	1.79%	84.47%
29.0	1004.877	55.060	2681.762	1.66%	86.24%
30.0	884.995	51.026	2732.788	1.54%	87.88%
31.0	765.566	45.933	2778.721	1.39%	89.36%
32.0	656.847	40.750	2819.472	1.23%	90.67%
33.0	555.152	35.706	2855.178	1.08%	91.81%
34.0	465.349	30.883	2886.061	0.93%	92.81%
35.0	387.892	26.498	2912.559	0.80%	93.66%
36.0	330.171	22.863	2935.423	0.69%	94.40%
37.0	286.893	20.125	2955.548	0.61%	95.04%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	224.534	17.071	2972.619	0.52%	95.59%
39.0	189.889	14.145	2986.764	0.43%	96.05%
40.0	168.910	12.514	2999.278	0.38%	96.45%
41.0	127.931	10.570	3009.848	0.32%	96.79%
42.0	104.941	8.461	3018.309	0.26%	97.06%
43.0	88.686	7.173	3025.481	0.22%	97.29%
44.0	73.187	6.110	3031.591	0.18%	97.49%
45.0	61.938	5.193	3036.784	0.16%	97.65%
46.0	53.975	4.533	3041.317	0.14%	97.80%
47.0	47.595	4.040	3045.356	0.12%	97.93%
48.0	42.195	3.630	3048.986	0.11%	98.05%
49.0	38.581	3.317	3052.303	0.10%	98.15%
50.0	35.585	3.092	3055.395	0.09%	98.25%
51.0	33.279	2.914	3058.309	0.09%	98.35%
52.0	31.629	2.785	3061.094	0.08%	98.44%
53.0	30.440	2.700	3063.794	0.08%	98.52%
54.0	29.632	2.648	3066.442	0.08%	98.61%
55.0	29.054	2.620	3069.062	0.08%	98.69%
56.0	28.660	2.608	3071.67	0.08%	98.78%
57.0	28.489	2.613	3074.283	0.08%	98.86%
58.0	28.298	2.626	3076.909	0.08%	98.94%
59.0	27.832	2.624	3079.533	0.08%	99.03%
60.0	27.089	2.595	3082.127	0.08%	99.11%
61.0	25.920	2.530	3084.657	0.08%	99.19%
62.0	24.264	2.418	3087.075	0.07%	99.27%
63.0	22.254	2.262	3089.338	0.07%	99.34%
64.0	20.105	2.079	3091.416	0.06%	99.41%
65.0	17.641	1.868	3093.284	0.06%	99.47%
66.0	15.401	1.649	3094.933	0.05%	99.52%
67.0	13.633	1.460	3096.393	0.04%	99.57%
68.0	12.142	1.306	3097.698	0.04%	99.61%
69.0	10.729	1.167	3098.865	0.04%	99.65%
70.0	9.790	1.054	3099.919	0.03%	99.68%
71.0	8.942	0.968	3100.887	0.03%	99.72%
72.0	8.219	0.892	3101.78	0.03%	99.74%
73.0	7.668	0.831	3102.61	0.03%	99.77%
74.0	7.129	0.778	3103.388	0.02%	99.80%
75.0	6.689	0.730	3104.118	0.02%	99.82%

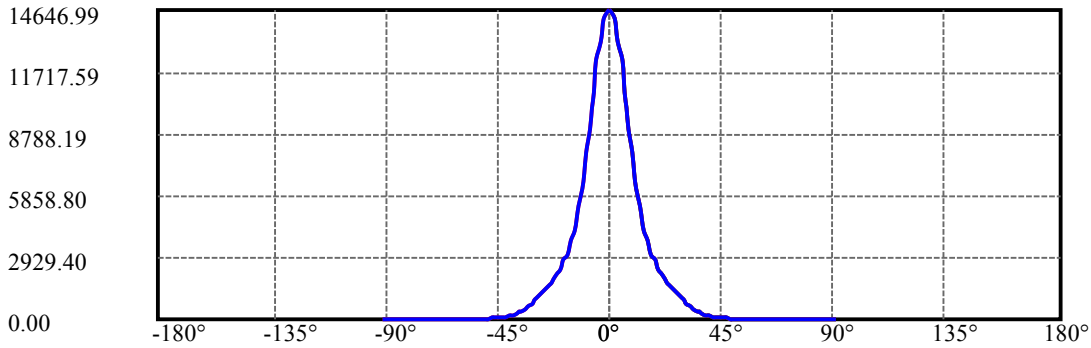
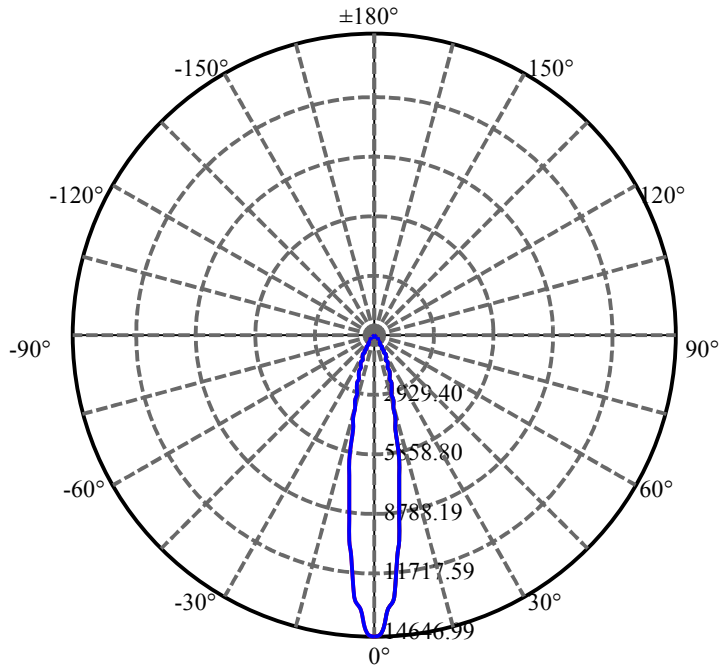
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.202	0.684	3104.803	0.02%	99.84%
77.0	5.749	0.637	3105.44	0.02%	99.86%
78.0	5.329	0.593	3106.033	0.02%	99.88%
79.0	4.882	0.549	3106.581	0.02%	99.90%
80.0	4.428	0.502	3107.083	0.02%	99.92%
81.0	3.936	0.452	3107.536	0.01%	99.93%
82.0	3.509	0.404	3107.939	0.01%	99.94%
83.0	3.049	0.356	3108.296	0.01%	99.95%
84.0	2.608	0.308	3108.604	0.01%	99.96%
85.0	2.293	0.268	3108.871	0.01%	99.97%
86.0	1.912	0.230	3109.101	0.01%	99.98%
87.0	1.616	0.193	3109.294	0.01%	99.99%
88.0	1.367	0.163	3109.458	0.00%	99.99%
89.0	1.176	0.139	3109.597	0.00%	100.00%
90.0	1.064	0.123	3109.72	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2732.79	82.54%	87.88%
0-40	2999.28	90.59%	96.45%
0-60	3082.13	93.09%	99.11%
0-90	3109.60	93.92%	100.00%
0-120	3109.60	93.92%	100.00%
0-180	3109.72	93.92%	100.00%
60-90	27.47	0.83%	0.88%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.76	2487.78	75.14%	80.00%

ZONAL LUMEN SUMMARY

0-10	974.59
10-20	1073.33
20-30	684.87
30-40	266.49
40-50	56.12
50-60	26.73
60-70	17.79
70-80	7.16
80-90	2.51
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



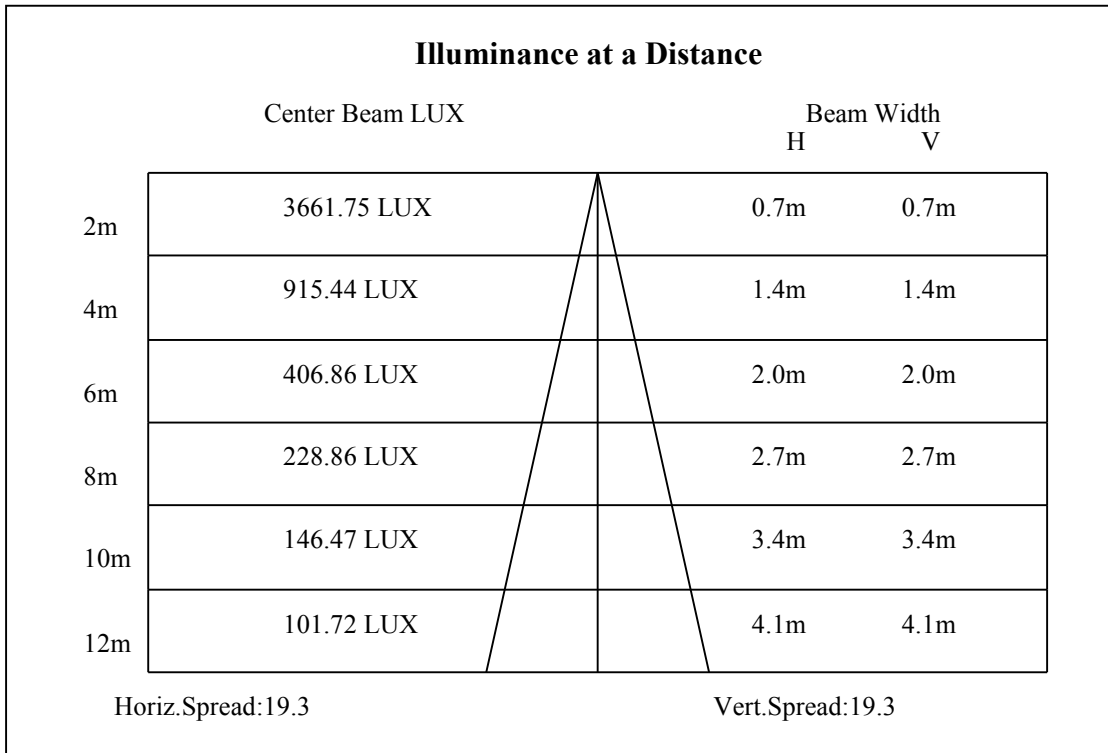
C0(Max): —————

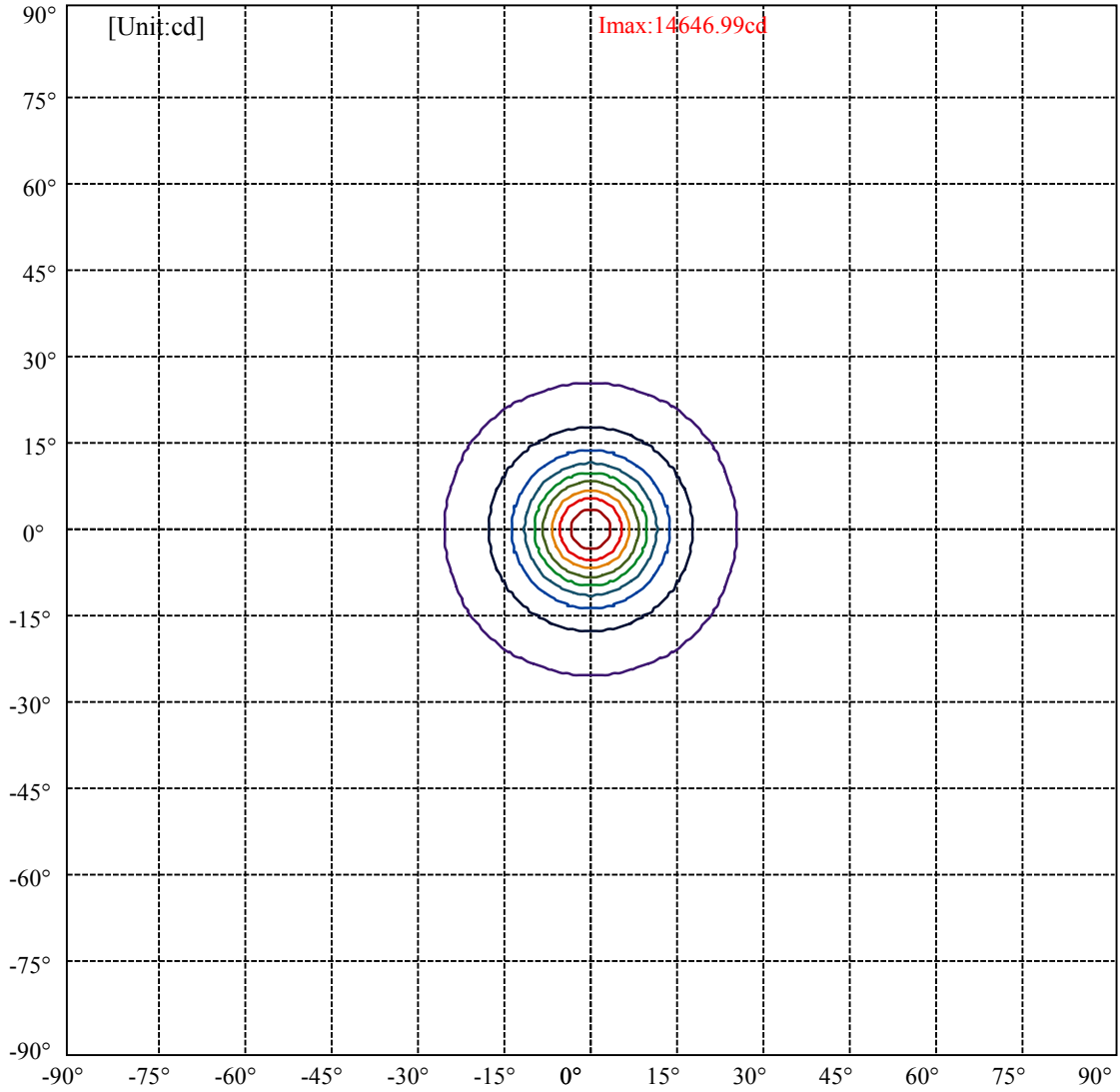
C0/C180: —————

C90/C270: —————

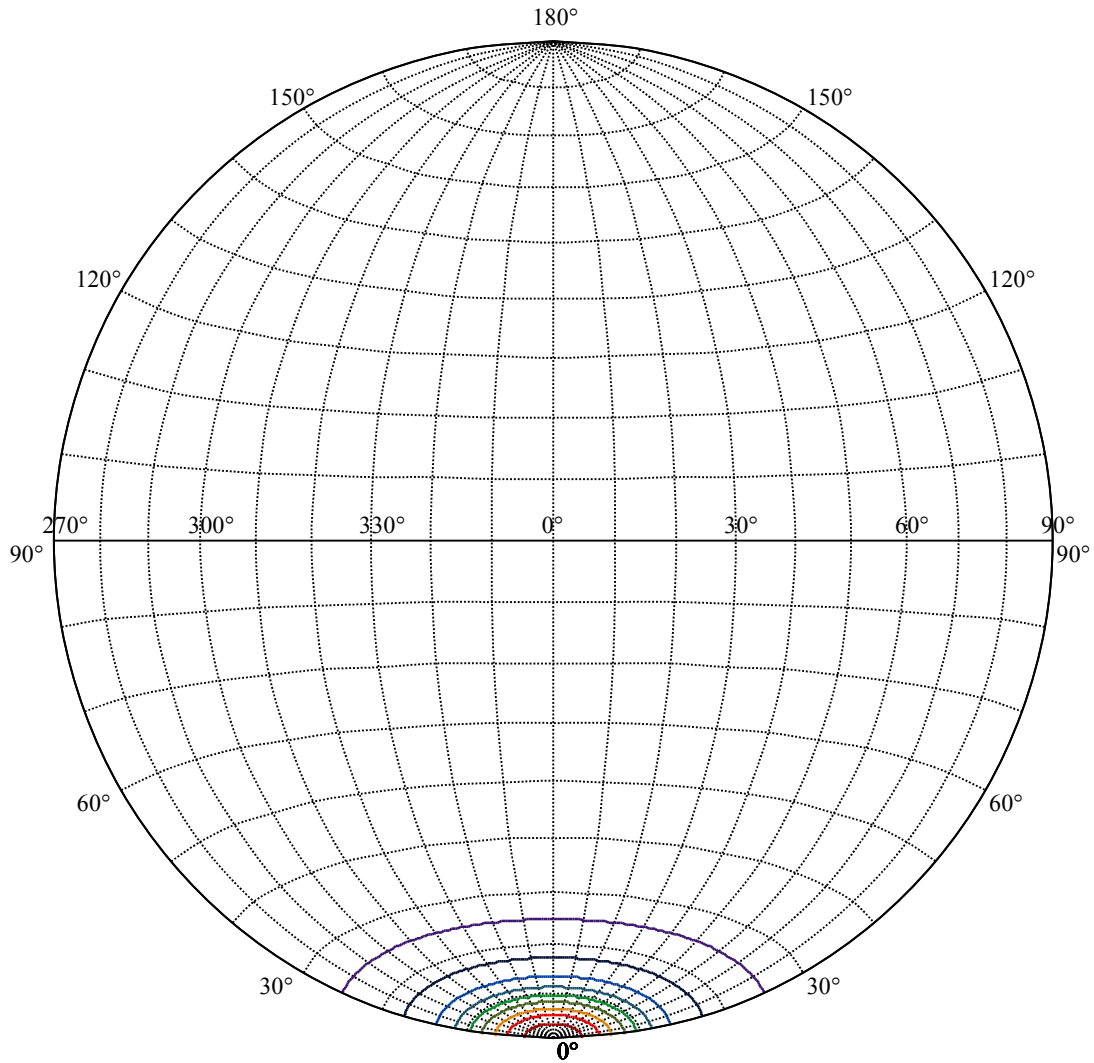
Field angle(10%Imax):C0/180Left:25.0 Right:25.0
:C90/270Left:25.0 Right:25.0

Beam Angle(50%Imax):C0/180Left:9.6 Right:9.6
:C90/270Left:9.6 Right:9.6





(10%Imax) 1464.7	—
(20%Imax) 2929.4	—
(30%Imax) 4394.1	—
(40%Imax) 5858.8	—
(50%Imax) 7323.49	—
(60%Imax) 8788.19	—
(70%Imax) 10252.9	—
(80%Imax) 11717.6	—
(90%Imax) 13182.3	—



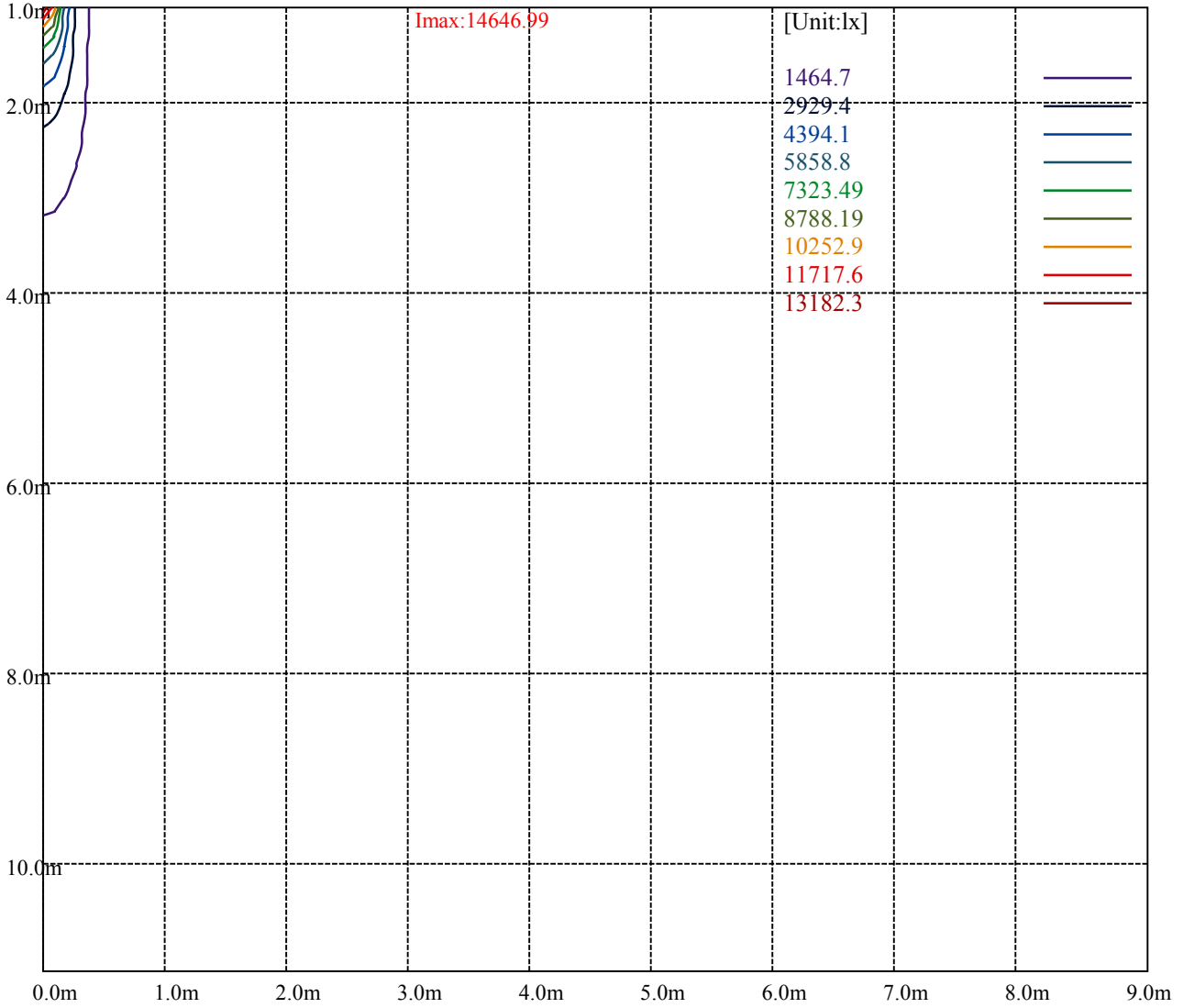
House

[Unit:cd]

Road

Imax:14646.99

(10%Imax) 1464.7	—
(20%Imax) 2929.4	—
(30%Imax) 4394.1	—
(40%Imax) 5858.8	—
(50%Imax) 7323.49	—
(60%Imax) 8788.19	—
(70%Imax) 10252.9	—
(80%Imax) 11717.6	—
(90%Imax) 13182.3	—



Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

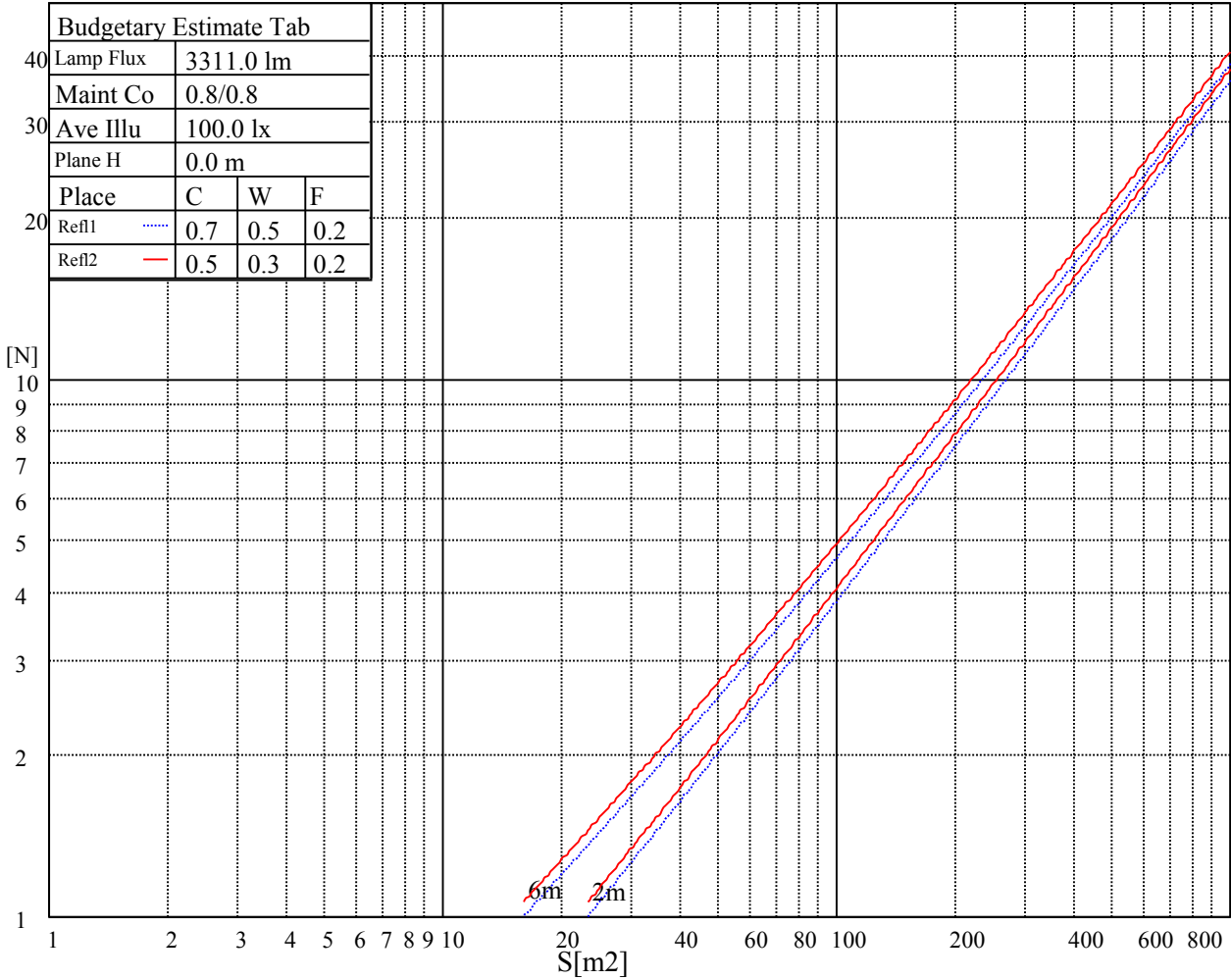
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

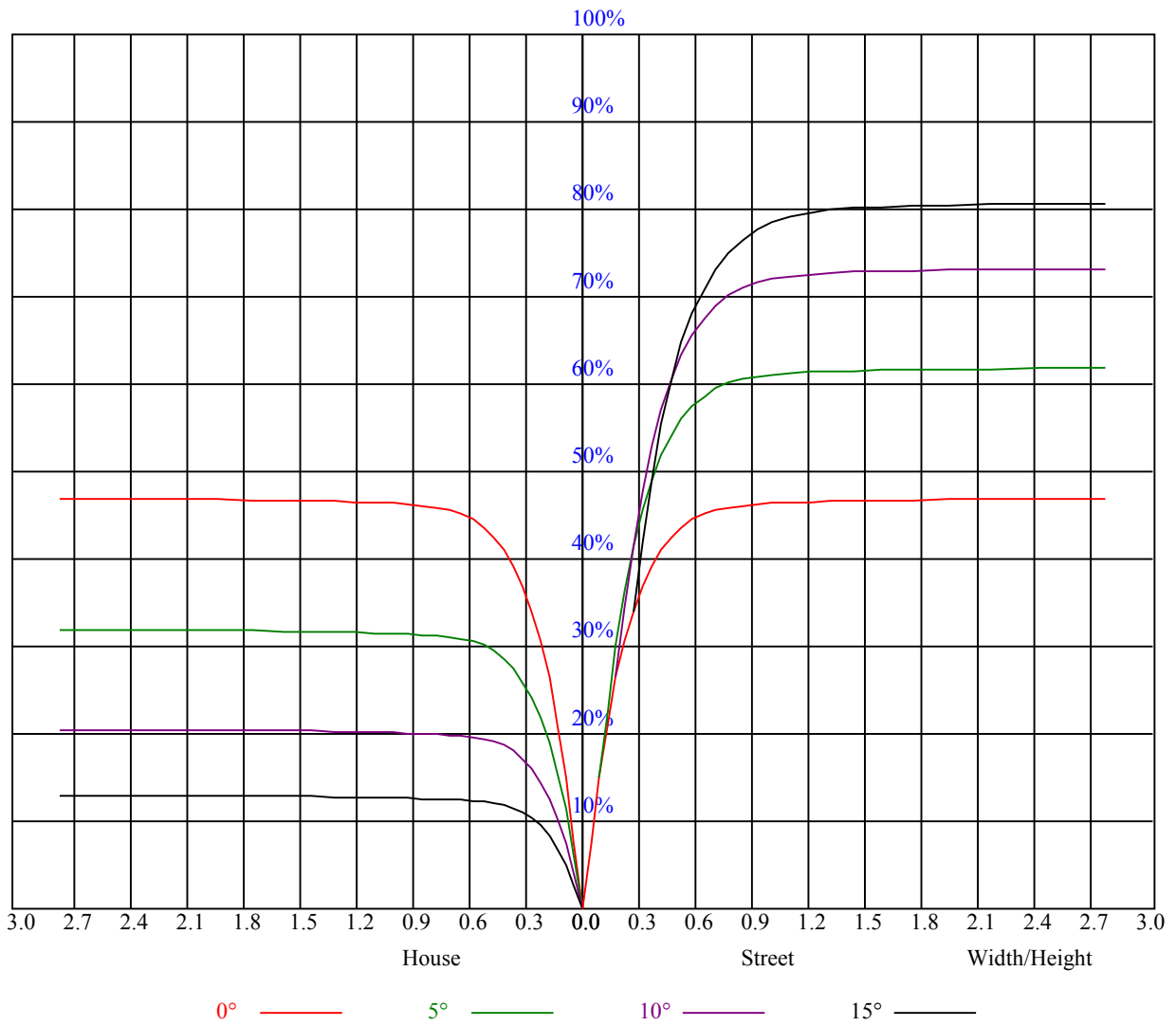


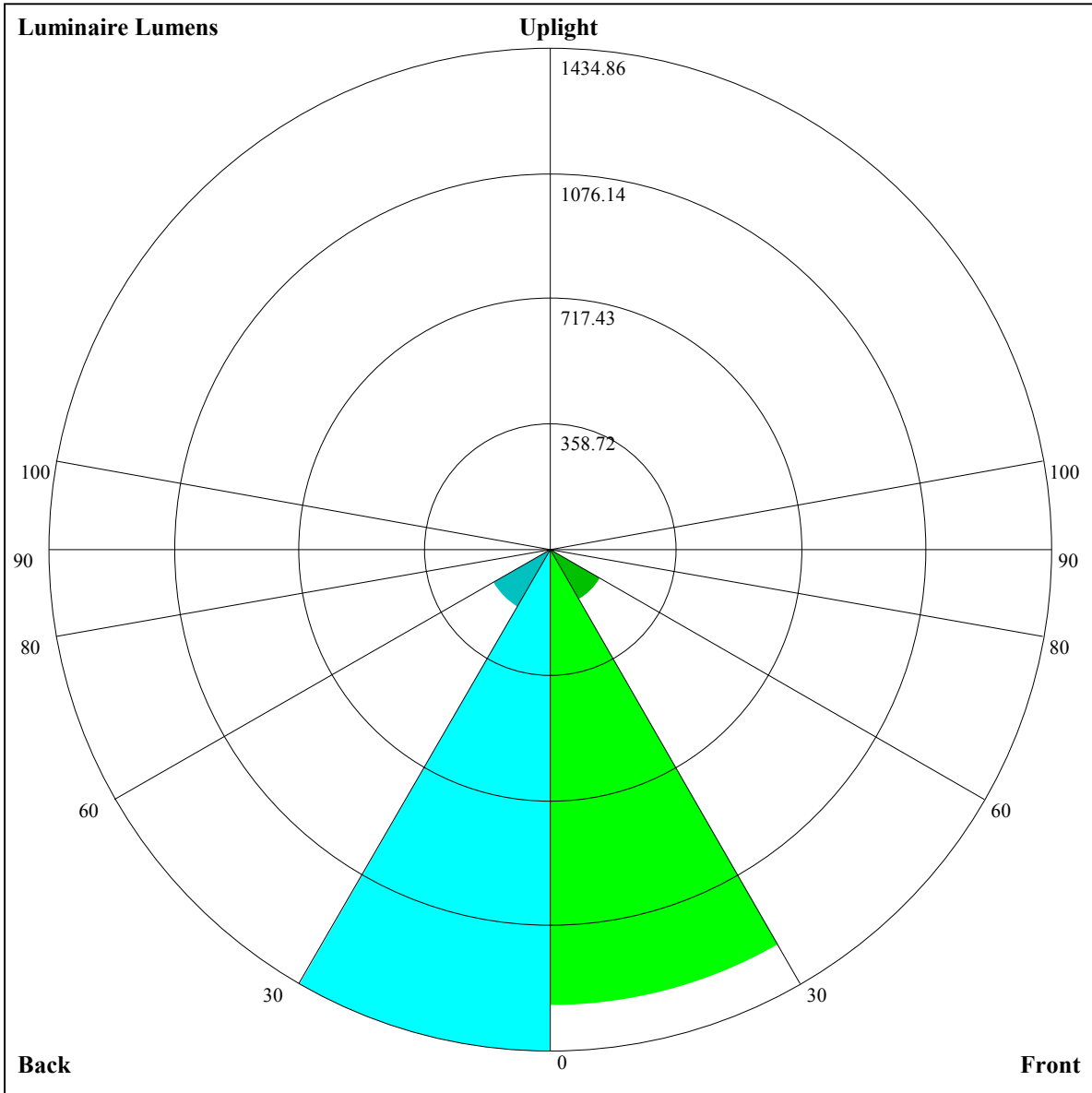
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.02	1.03	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.97	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.90	0.88	0.87	0.86
3	0.95	0.91	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.86	0.83	0.87	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.86	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.76
6	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
8	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.72	0.68	0.66	0.65
10	0.72	0.67	0.65	0.71	0.67	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.63





Luminaire Lumens:

FL=1305.3,FM=164.59,FH=12.03,FVH=1.25

BL=1434.86,BM=191.61,BH=13,BVH=1.43

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	14289.01	13681.70	12879.39	10780.83	10780.83	9620.83	8480.33	7408.89	6439.96
45.0	14879.60	14718.03	14261.15	13625.99	12767.96	11737.21	10611.74	9441.70	8310.66
90.0	14489.59	13882.28	13085.54	10538.47	10538.47	10296.10	8655.26	7983.30	6946.98
135.0	14929.75	14623.31	14099.58	13386.41	12467.09	11837.50	10266.30	9547.56	8405.37
180.0	14289.01	14684.60	14851.74	14779.31	14489.59	13949.14	13375.26	12283.23	11447.48
225.0	14879.60	14968.75	14807.17	14406.01	13787.56	12974.11	10690.00	10690.00	9521.07
270.0	14489.59	14879.60	15041.18	14946.46	14628.88	14088.43	13347.41	12416.94	11352.76
315.0	14929.75	14996.61	14812.74	14400.44	13781.99	12962.96	10619.83	10619.83	9918.33
360.0	14289.01	13681.70	12879.39	10780.83	10780.83	9620.83	8480.33	7408.89	6439.96
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5584.71	4871.02	4516.64	4004.63	3570.57	3198.43	2877.48	2606.68	2387.76
45.0	7246.48	6299.30	5480.27	4817.25	4260.09	3780.93	3379.77	3028.76	2844.89
90.0	6038.27	5247.63	4603.58	4083.16	3638.59	3256.93	2921.48	2642.37	2410.04
135.0	6906.61	6343.87	5524.84	4817.25	4260.09	3792.07	3390.91	3039.90	2856.04
180.0	10333.16	9179.83	8076.65	7040.33	6126.58	5352.12	4700.24	4165.37	3708.49
225.0	8376.15	7311.97	6336.88	5512.86	4826.45	4263.13	3796.80	3396.22	3181.14
270.0	10205.01	9029.40	8115.65	6873.18	5965.00	5340.98	4650.10	4109.65	3663.92
315.0	8301.46	7231.13	6639.43	5436.54	5003.06	4397.43	3900.45	3472.54	3108.70
360.0	5584.71	4871.02	4516.64	4004.63	3570.57	3198.43	2877.48	2606.68	2387.76
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2189.39	2014.98	1856.77	1718.58	1586.55	1456.14	1333.56	1077.74	1077.74
45.0	2844.89	2325.31	2140.35	1967.62	1817.77	1677.90	1543.66	1413.83	1287.89
90.0	2211.09	2034.48	1874.01	1729.15	1596.01	1466.18	1341.92	1076.53	1076.53
135.0	2856.04	2337.03	2115.85	1943.66	1819.98	1677.90	1541.97	1415.51	1292.93
180.0	3324.05	2989.76	2811.46	2811.46	2339.82	2148.70	1977.09	1817.77	1679.00
225.0	2868.02	2598.32	2374.35	2180.45	2006.63	1851.72	1708.54	1570.94	1437.22
270.0	3279.48	2950.75	2883.89	2772.46	2235.06	2055.09	1892.99	1746.44	1662.87
315.0	2795.01	2528.68	2314.75	2126.99	1959.27	1808.31	1672.33	1541.40	1417.14
360.0	2189.39	2014.98	1856.77	1718.58	1586.55	1456.14	1333.56	1077.74	1077.74
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	952.22	876.74	748.02	626.86	518.95	430.33	359.42	299.55	249.36
45.0	1161.42	1033.27	902.92	773.09	650.51	540.76	446.05	372.46	312.33
90.0	1000.53	873.96	745.60	622.71	514.48	427.39	357.90	299.82	249.72
135.0	1170.36	1049.99	925.21	800.37	676.69	562.47	465.55	388.07	324.57
180.0	1546.44	1421.61	1299.61	1182.03	1062.81	940.24	818.19	696.19	581.39
225.0	1311.28	1074.80	1074.80	952.38	825.81	728.41	612.04	508.81	423.13
270.0	1480.11	1404.36	1280.63	1158.64	1037.74	914.06	790.33	669.44	556.90
315.0	1296.24	1062.24	1062.24	963.89	837.53	711.12	591.75	488.46	405.73
360.0	952.22	876.74	748.02	626.86	518.95	430.33	359.42	299.55	249.36
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	206.31	169.62	138.92	113.80	93.19	76.95	64.07	54.40	47.41
45.0	301.71	301.71	196.37	163.31	135.87	112.90	94.88	79.95	67.96
90.0	207.36	171.46	141.66	116.74	96.93	87.25	68.91	62.86	54.93
135.0	291.14	291.14	185.13	164.26	134.93	111.01	91.56	76.16	63.76
180.0	481.68	399.21	330.67	283.31	283.31	189.01	153.75	125.20	102.65
225.0	353.80	295.98	247.04	204.36	167.83	137.61	112.75	92.30	76.06
270.0	461.08	383.60	320.68	277.74	277.74	176.03	144.44	128.41	97.82
315.0	338.29	282.42	235.80	195.59	161.47	132.67	109.17	90.20	74.90
360.0	206.31	169.62	138.92	113.80	93.19	76.95	64.07	54.40	47.41

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	42.26	38.63	35.90	33.38	32.12	30.75	29.22	28.70	28.33
45.0	58.55	51.62	45.94	41.79	38.27	35.22	33.17	31.91	30.64
90.0	48.62	43.94	40.47	37.32	34.64	33.01	31.91	30.70	30.17
135.0	54.67	47.88	42.79	39.11	36.16	33.53	31.80	30.70	29.65
180.0	84.73	70.22	59.03	50.57	44.31	39.68	36.48	33.90	31.75
225.0	63.07	53.30	46.31	41.05	37.32	34.38	32.90	30.28	29.70
270.0	80.63	72.27	60.60	52.14	45.83	41.21	37.74	34.95	32.59
315.0	62.97	53.93	49.72	42.21	40.00	36.90	33.01	31.91	30.70
360.0	42.26	38.63	35.90	33.38	32.12	30.75	29.22	28.70	28.33
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.33	28.23	28.17	28.33	27.86	26.75	25.39	22.97	19.82
45.0	30.01	29.80	29.38	29.07	28.96	28.49	27.39	25.97	24.07
90.0	30.17	29.96	29.54	29.38	28.75	27.17	25.49	22.92	19.82
135.0	28.96	29.07	28.96	28.65	28.75	28.65	27.28	26.07	24.39
180.0	30.33	29.33	28.33	27.96	28.02	28.02	27.91	27.86	27.70
225.0	28.70	27.54	27.54	27.54	27.39	27.23	27.17	26.44	25.12
270.0	31.12	30.07	28.96	28.70	28.70	28.44	28.17	28.17	27.60
315.0	29.44	28.44	28.38	28.28	27.96	27.91	27.91	26.96	25.60
360.0	28.33	28.23	28.17	28.33	27.86	26.75	25.39	22.97	19.82
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.24	14.77	12.72	11.30	10.20	9.30	8.57	8.04	7.36
45.0	21.08	18.29	15.98	13.67	12.09	10.83	9.88	9.04	8.41
90.0	17.24	15.30	12.83	11.51	10.57	9.62	8.78	8.20	7.62
135.0	21.50	18.50	16.08	13.67	12.04	10.72	9.67	8.88	8.25
180.0	26.75	25.39	23.71	21.03	18.24	15.98	13.61	12.14	10.83
225.0	23.76	21.55	18.61	16.24	14.03	12.25	11.04	9.88	9.04
270.0	26.33	25.39	22.65	19.61	18.03	15.77	13.46	11.93	10.78
315.0	24.13	21.66	18.55	16.19	13.88	12.67	10.83	10.20	9.25
360.0	17.24	14.77	12.72	11.30	10.20	9.30	8.57	8.04	7.36
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.94	6.52	6.04	5.68	5.15	4.73	4.15	3.63	3.21
45.0	7.83	7.52	6.78	6.57	6.10	5.52	5.20	4.73	4.15
90.0	7.10	6.62	6.20	5.78	5.31	4.84	4.31	3.89	3.31
135.0	7.62	7.04	6.68	6.20	5.83	5.41	4.94	4.52	4.21
180.0	9.78	8.88	8.30	7.67	7.04	6.57	6.15	5.83	5.52
225.0	8.41	7.78	7.25	6.94	6.41	6.10	5.73	5.26	4.73
270.0	9.78	9.04	8.41	7.83	7.36	6.83	6.47	6.04	5.62
315.0	8.30	7.94	7.36	6.83	6.41	5.99	5.68	5.15	4.68
360.0	6.94	6.52	6.04	5.68	5.15	4.73	4.15	3.63	3.21
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.79	2.42	2.10	1.79	1.52	1.26	1.05	0.84	0.89
45.0	3.68	3.21	2.68	2.31	2.00	1.68	1.31	1.05	0.84
90.0	3.00	2.68	2.26	1.94	1.68	1.37	1.16	1.00	1.00
135.0	3.57	3.10	2.73	2.31	1.94	1.68	1.37	1.10	0.84
180.0	4.89	4.47	3.99	3.36	3.05	2.52	2.21	1.89	1.68
225.0	4.36	3.78	3.42	3.00	2.68	2.26	1.94	1.68	1.37
270.0	4.99	4.63	3.99	3.42	3.05	2.52	2.21	1.89	1.58
315.0	4.21	3.78	3.21	2.73	2.42	2.00	1.68	1.47	1.21
360.0	2.79	2.42	2.10	1.79	1.52	1.26	1.05	0.84	0.89

Intensity data(cd)

C/γ(°)	90.0
0.0	0.89
45.0	0.89
90.0	1.00
135.0	0.89
180.0	1.26
225.0	1.21
270.0	1.31
315.0	1.05
360.0	0.89